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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/995,793A

DATE: 06/17/2002

TIME: 15:46:08

Input Set : A:\033488-001.ST25.txt

Output Set: N:\CRF3\06172002\I995793A.raw

4 <110> APPLICANT: Weber, Bernard H.F.

5 Stoehr, Heidi

7 <120> TITLE OF INVENTION: Novel retina-specific human proteins C7orf9, C12orf7, MPP4

and F379

9 <130> FILE REFERENCE: 033488-001

11 <140> CURRENT APPLICATION NUMBER: US 09/995,793A

12 <141> CURRENT FILING DATE: 2001-11-29

14 <150> PRIOR APPLICATION NUMBER: 60/253,751

15 <151> PRIOR FILING DATE: 2000-11-29

17 <160> NUMBER OF SEQ ID NOS: 71

19 <170> SOFTWARE: PatentIn version 3.1

21 <210> SEQ ID NO: 1

22 <211> LENGTH: 2435

23 <212> TYPE: DNA

24 <213> ORGANISM: Homo sapiens

26 <220> FEATURE:

27 <221> NAME/KEY: misc_feature

28 <223> OTHER INFORMATION: artificial sequence, Translation start at 209; stop at 2435

30 <400> SEQUENCE: 1

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32 aaagcttttg tctggatagg agcaacatgc atgttacag tcttgcagtg tgctgagagc	120
33 tggggccag tgggactgag tgagctgtgt gcccgttatt gaccgccttc ctatccctga	180
34 attcccttca gaagctcccg cagggaggat gatacagtca gacaaaggag cagatccacc	240
35 agacaagaag gacatgaagc ttctacacgc caccaatcca cagaatggcc tctcccat	300
36 cctgaggcctt gtgctgcaag agctgagtc gttctacagc agagatgtga atggagtgtg	360
37 tctcttgtac gatctcctcc actcgccgtg gttcaggct ctgctaaaga tttatgactg	420
38 cctccaggaa tttaaagaaa agaaaacttagt tcctgccaca ccacatgcac aggtgttata	480
39 ctatgaggta gtggaggatt tacgtgaaac ccctacttcc cctgagatcc aagagctgag	540
40 acaaattgtc caggctccac acttcaaggc cttgctcagt gcccattgaca cgataatctca	600
41 gaaagatttt gaacccttc tccctccact gccagacaat atccctgaga gtgaggaagc	660
42 aatgaggatt gtttgttag taaaaaaccac acagccctg ggagccacca tcaagcgcca	720
43 cgagatgaca ggggacatct tggccatgg gatcatccac ggtggctgg cggagagaag	780
44 tgggttgcata tatgctggag acaaactggt agaaatgtat ggagtttcag ttgaggact	840
45 ggaccctgaa caagtatcc atattctggc catgtctcgaa ggcacaaatca tggtaaggt	900
46 gttccagtc tctgaccctc ctgtgaatag ccagcagatg gtgtacgtcc gtgcctatgac	960
47 ttagtactgg ccccaggagg atccccacat cccctgcattt gacgctggat tgccttcca	1020
48 gaagggggac atcctccaga ttgtggacca gaatgtatgcc ctctgggtgg aggccggaaa	1080
49 aatctcagac cctgctaccc tgcgtggct tggcccttctt aaccacccctc tgaagaggaa	1140
50 gcaacggaa ttctgggtt ctcagccgtt ccagccctc acctgcctca agtcaaccct	1200
51 atcaatttctt atgaaagaag aagatgacat gaagattgtat gagaatgtt tggaaagcaga	1260
52 tgaagaaaca tttgaatctg agaaactttc agaagacaag gaggagttt tggctacgg	1320
53 tcagaagttc tttatagctg gttcccgccg cagcatgcgc ctttgcgc ggaagtctca	1380
54 cctcagcccg ctgcatttca gttgtgtctg caccggcgc tgctacagtg cagtgggtgc	1440
55 cccttacagat gagggtgtga ggtaccagcg acgccttca gacaagtacc gcctcatgt	1500

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56	gctcatggga ccctctggtg ttggagtaaa tgagctcaga agacaactta ttgaatttaa	1560
57	tcccagccat tttcaaaagt ctgtgccaca cactactcg actaaaaaaga gttacgaaat	1620
58	aatgggcgt gagtatcaact atgtgtccaa ggaaacattt gaaaacctca tatatagtca	1680
59	caggatgctg gagtatggtg agtacaaagg ccacctgtat ggcactatgt tggatgctgt	1740
60	tcaaacagtc cttgtcgaag gaaagatctg tgtcatggac ctagagcctc aggatattca	1800
61	aggggtcga acccatgaac tgaagcccta tgtcatattt ataaagccat cgaatatgag	1860
62	gtgtatgaaa caatctcga aaaatgcca ggttattact gactactatg tggacatgaa	1920
63	gttcaaggat gaagacctac aagagatgga aaatttagcc caaagaatgg aaactcagtt	1980
64	tggccaattt tttgatcatg tgattgtgaa tgacagctt cagcatgcat gtgcccagtt	2040
65	gttgtctgcc atacagaagg ctcaggagga gcctcagtgg gtaccagcaa catggatttc	2100
66	ctcagatact gagtctcaat gagacttctt gtttaatgct ggagttttaa cactgtaccc	2160
67	ttgatacagc gatccatagt tcaatctaa aacaacagta ttgacccat tttaatgtgt	2220
68	acaactttaa aagtgcagca atttattaaat taatcttatt tgaaaaaaaaat ttttattgt	2280
69	tgttatgtg gttacctatt ttaacttaat ttttttcctt tacctcata tgcagctgtg	2340
70	gtagaaatat gaataatgtt aagtcaactga gtatgagaac ctttcgcaga tttcacatga	2400
71	tcttttaag atttaataa agagcttcc taaaat	2435
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76	<212> TYPE: DNA	
77	<213> ORGANISM: Homo sapiens	
79	<220> FEATURE:	
80	<221> NAME/KEY: misc_feature	
81	<223> OTHER INFORMATION: genomic DNA, Exon from 1 to 108	
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84	gagattttat cgggagcagt gaggtgactt tggcagctaa caggccacta gtatcctact	60
85	aaagcttttg tctggatagg agcaacatgc atgttacag tcttgcaggt aagagacctt	120
86	ggcaataat cctcagttac cagaagatgt atccataact gcctagctt cctgtcagtt	180
87	tttaatagct aaagatataa atctgggtaa tctaactcaa atggcttagt ttcattttaa	240
88	ctcaaatgtat atgggaatt ttatgatctt gaaagagcag gttttgttcc gagaagccat	300
89	ttcttcagta tggaaataatg	320
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93	<211> LENGTH: 512	
94	<212> TYPE: DNA	
95	<213> ORGANISM: Homo sapiens	
97	<220> FEATURE:	
98	<221> NAME/KEY: misc_feature	
99	<223> OTHER INFORMATION: genomic DNA, Exon from 173 to 352	
101	<400> SEQUENCE: 3	
102	aaacatggag ttaggggag cattttatgc aatagtcgtt ttctctttca cgccactgggt	60
103	gatggtaag agtaggcacc acaggggaag actgtgtttc atttgcgttgc tatccagtg	120
104	tgtacacag ggcctggctt gctgaggaaa tgctattgaa aatataattcc agtgcgtgt	180
105	gagctgggtgg ccagtggac tgagtgcgtt gtgtgccgtg tattgacccg cttccatgt	240
106	ctgaatttcc ttcagaagct ccggcaggaa ggatgataca gtcagacaaa ggagcagatc	300
107	caccagacaa gaaggacatg aagcttctt cagccaccaa tccacagaat ggtatgtgtc	360
108	accaggactc cttttctaga ccagaaatg atatcacctc tgacatgtga tcaaataat	420
109	aggcagaaat cctgacacac ttactgtgtat ccctatgagg atcttgcata tttttgggtt	480
110	cactactgcc ctaccagtga taacttaag aa	512
113	<210> SEQ ID NO: 4	
114	<211> LENGTH: 448	

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115 <212> TYPE: DNA
 116 <213> ORGANISM: Homo sapiens
 118 <220> FEATURE:
 119 <221> NAME/KEY: misc_feature
 120 <223> OTHER INFORMATION: genomic DNA, Exon from 165 to 286
 122 <400> SEQUENCE: 4

123	acaaagtaag	aggtggaaca	gggcttgaag	tcagatcttt	tggcctgaga	tccagtgtca	60
124	tttccactcc	tggtagagacc	ccatggcatg	ccccagctat	ctgagttgcc	tttcacattt	120
125	acacccgcac	ctgcccacccc	atctctgctc	tttcccttcc	ctaggcctct	cccaagatcct	180
126	gaggcttgtg	ctgcaagagc	ttagtctgtt	ctacagcaga	gatgtgaatg	gagtgtgtct	240
127	cttgcacat	cttcctccact	cggcggtgct	tcaggtctg	ctaaagggtga	gtgcttcttt	300
128	gctcggaaagc	ctttgcttgc	tgaaggggtt	gtggggagtg	tgttagaaaat	gacagcttca	360
129	gtccattcag	gctggatagt	gaaatagttt	ataaacaaca	gaaattgata	tctcacagtt	420
130	ctgttaggcca	ggaagtccaa	aatccagt				448

133 <210> SEQ ID NO: 5
 134 <211> LENGTH: 448
 135 <212> TYPE: DNA
 136 <213> ORGANISM: Homo sapiens
 138 <220> FEATURE:
 139 <221> NAME/KEY: misc_feature
 140 <223> OTHER INFORMATION: genomic DNA, Exon from 206 to 283
 142 <400> SEQUENCE: 5

143	taagctttt	aagcatcggt	gccacccaaac	tcaagttcat	ttctctttgg	caactagaga	60
144	cacaacttac	taaacaccaa	ccacaccgtg	ctgtgcagcc	attggtgca	ttgcctgggg	120
145	tgtttcttct	cttgagagt	cttaaatcca	aaatggcaat	agtcatatta	tcaatatcaa	180
146	ttctccctcc	tttgcccttc	tgcagattt	tgactgcctc	caggaattt	aagaaaagaa	240
147	actagttct	gccacaccac	atgcacaggt	gttatccat	gaggttaagg	gattttattc	300
148	cacaggatag	tagactctg	atgtggtgcc	atttccccca	cattgctagt	tcaaatgaat	360
149	taaagggtct	aaggaaaagt	tttatttgat	actatgcac	taataaatgt	ttctaattga	420
150	actttaatat	aaggaaagaac	attggctg				448

153 <210> SEQ ID NO: 6
 154 <211> LENGTH: 384
 155 <212> TYPE: DNA
 156 <213> ORGANISM: Homo sapiens
 158 <220> FEATURE:
 159 <221> NAME/KEY: misc_feature
 160 <223> OTHER INFORMATION: genomic DNA, Exon from 165 to 245
 162 <400> SEQUENCE: 6

163	ggtaggctt	aatggatggc	tttatagatg	aaaaagaagg	ctccagtaat	agctttttaa	60
164	aggtcaatat	catgttagta	tgtatgttat	ccagcctggg	tgaggttaag	tagtgataa	120
165	agatTTTTTA	aaatttttat	aatgtatct	tttccatgaa	ccaggtagtg	gagtttattac	180
166	gtgaaacccc	tactccct	gagatccaag	agctgagaca	aatgctccag	gctccacact	240
167	tcaaggcaag	tgcctgctaa	aatagaaaag	atgtcccat	ctggcacata	gacaaagttg	300
168	ggaaggagaa	atataatgtg	tggaaaatgt	tctctctgaa	tagatgttct	attactgtac	360
169	acggttactg	accaacagat	tgta				384

172 <210> SEQ ID NO: 7
 173 <211> LENGTH: 448
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Homo sapiens

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177 <220> FEATURE:
 178 <221> NAME/KEY: misc_feature
 179 <223> OTHER INFORMATION: genomic DNA, Exon from 133 to 264
 181 <400> SEQUENCE: 7

182	cgcactgtgt	ctggcatgtc	tgtattggtg	tttggttgttgc	ttgctgtgtc	tttagatagta	60
183	ttgagttact	atcttctaga	ggggtttggc	ccatgtgtga	catttgccta	ccttttcctt	120
184	ccctgtcccc	aggcccttgct	cagtgcctat	gacacgatag	ctcagaaaga	tttgaaccc	180
185	cttctccctc	cactgccaga	caatatccct	gagagtggagg	aagcaatgag	gattgtttgt	240
186	ttagtaaaaa	accaacagcc	cctggtaagg	aaatcatttt	ttatcttcc	atttagggta	300
187	agcttaggtt	aattgtgaac	caaattatata	ctagtggta	cttgggcagt	agccttgcct	360
188	gcgatcacat	atacagtgtat	aataacggct	gtcaactctg	caagtttgc	ctgtggtttc	420
189	aaacatattat	catgtcacgg	tgttttct				448

192 <210> SEQ ID NO: 8
 193 <211> LENGTH: 448
 194 <212> TYPE: DNA
 195 <213> ORGANISM: Homo sapiens
 197 <220> FEATURE:
 198 <221> NAME/KEY: misc_feature
 199 <223> OTHER INFORMATION: genomic DNA, Exon from 166 to 247
 201 <400> SEQUENCE: 8

202	cattgattga	aagaccagag	ctgcattgtat	tgaaaagacca	gagctgcatt	gattgaaaga	60
203	ccagagctgc	attgattgaa	agaccagagc	tgcattgtatt	gagggaaagcc	acctggaaaa	120
204	tggtcatgtc	aggtaacaga	gggatctcg	ctattctctc	ttcagggagc	caccatcaag	180
205	cgcacgaga	tgacagggga	catcttggtg	gccaggatca	tccacgggtgg	gctggcggag	240
206	agaagtggta	agctggagca	gctgggattt	agagttacca	aaaaaacagg	aaacccttga	300
207	ctgttttaggc	ttcttcttag	agaaatccct	tttttttctt	tttttttttc	tttttttttt	360
208	ttttagatgg	agtctgtctc	tgtcgccca	gctggagtgc	agtggcgtga	tctcgctca	420
209	ctgcaagctc	cacctctgg	gtttgcca				448

212 <210> SEQ ID NO: 9
 213 <211> LENGTH: 448
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Homo sapiens
 217 <220> FEATURE:
 218 <221> NAME/KEY: misc_feature
 219 <223> OTHER INFORMATION: genomic DNA, Exon from 162 to 247
 221 <400> SEQUENCE: 9

222	atgttaagttt	gaataaccag	ctttcttttc	tattattatt	ttatattaaa	catttttaga	60
223	gcatgcttgg	gttagtgagt	taaatagcta	tcgaggttagc	tactgctatt	tttatacctac	120
224	ttctttgtat	ctttctttgt	tttttgttac	tgtctgccta	gggttgctat	atgctggaga	180
225	caaactggta	gaagtgaatg	gagtttcagt	tgagggactg	gaccctgaac	aagtgtatcca	240
226	tattctggta	aatcttcttt	ttgccttttt	gttaatgact	tggagaaaatg	ccaaggctga	300
227	actgggacca	tcaagccac	gtgtgtgcac	tggatgtac	cggggactca	agttcttctg	360
228	gcagctttct	ccctccaggc	tcccagaccc	tgtctgtcac	ccatgtca	tgctgacc	420
229	cctcctctac	cccgagaagt	tctggtcc				448

232 <210> SEQ ID NO: 10
 233 <211> LENGTH: 384
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Homo sapiens
 237 <220> FEATURE:

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238 <221> NAME/KEY: misc_feature
 239 <223> OTHER INFORMATION: genomic DNA, Exon from 158 to 229
 241 <400> SEQUENCE: 10
 242 ccatttctgg atggtagacag ctgcagagcc cttgtgaaag gctcttgggg gatTTTACCA 60
 243 tgagacctgg atacattgca ctgttaactct gtccaccgg ccccagttaac cctgcttagct 120
 244 ccatgattgt catccttct cctcttttat tttccaggcc atgtctcgag gcacaatcat 180
 245 gttcaaggtt gttccagtct ctgacccttc tgtgaatagc cagcagatgg taagaattta 240
 246 ctgagccctc aatctcacac acagtaaaatc cccaagtaac agcaactaaa tatgtatgcgt 300
 247 aataatccta tcctttgtac tgtgttggac ctggattcaa gactgtgtt gatatttttc 360
 248 aatactgtatg gccccgagaag caaa 384
 251 <210> SEQ ID NO: 11
 252 <211> LENGTH: 448
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Homo sapiens
 256 <220> FEATURE:
 257 <221> NAME/KEY: misc_feature
 258 <223> OTHER INFORMATION: genomic DNA, Exon from 138 to 334
 260 <400> SEQUENCE: 11
 261 gggtggagag gaaagatagg agtagcaggt ggaggagtgg gagaaatgtt tttaagtcat 60
 262 gatggcccat gggcaagggt ttttcggatg gcaccattag gcaccccttg atagcgtcat 120
 263 tatgcacccgtt ccatcaggtt tacgtccgtt ccatgactga gtactggccc caggaggatc 180
 264 ccgacatccc ctgcatggac gctggattgc cttttccagaa gggggacatc ctccagattt 240
 265 tggaccagaa tgatgccctc tgggtggcagg cccaaaaat ctcagaccct gctacctgcg 300
 266 ctgggcttgtt cccttctaac cacccctgtt agaggtt aacgtcacca ctcctggact 360
 267 cagggctgaa ccatoaggaa acaaaaatgtt tttcttgggt ttctgttacc tcaagatgag 420
 268 ataaagaggg acaagcagat gaatgaac 448
 271 <210> SEQ ID NO: 12
 272 <211> LENGTH: 320
 273 <212> TYPE: DNA
 274 <213> ORGANISM: Homo sapiens
 276 <220> FEATURE:
 277 <221> NAME/KEY: misc_feature
 278 <223> OTHER INFORMATION: genomic DNA, Exon from 152 to 216
 280 <400> SEQUENCE: 12
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 282 ctgtttgtcg ttgctctggg tctgtttcat ctaggttaac aaagagtgg ttttgggtt 120
 283 tttttgtcgc atggttttt cccccccata ggaagcaacg ggaattctgg tggctctcgc 180
 284 cgtaccagcc tcacacccgtc ctcaagtcaa ccctatgtga gtattgcaac tgcccgacaa 240
 285 gttcttcctg tttgcataaa agaccatggc attgcagtaa ataaagagtc taattgtatgt 300
 286 gaggctggcc atgccccatgt 320
 289 <210> SEQ ID NO: 13
 290 <211> LENGTH: 320
 291 <212> TYPE: DNA
 292 <213> ORGANISM: Homo sapiens
 294 <220> FEATURE:
 295 <221> NAME/KEY: misc_feature
 296 <223> OTHER INFORMATION: genomic DNA, Exon from 161 to 178
 298 <400> SEQUENCE: 13
 299 cttactaaat cttccctgaa tttcttagaga ataaacccag aatactaatt acaataattt 60

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:57; N Pos. 24,25,29,30,34,35

VERIFICATION SUMMARY

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Input Set : A:\033488-001.ST25.txt

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L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0